



Project: Alaska Copper Works

Inspection Date: 7/15/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 100 Effluent 150 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 10 Effluent 10 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 10 Effluent 9

Carbon Filter Pressures (Lead) Influent 8 Effluent 5 The carbon filters should be

Carbon Filter Pressures (Lag) Influent 4 Effluent 0 backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	~70 gal
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>5.95</u>	Turbidity	<u>12.6</u>	NTU
Bag Filter Influent	pH	<u>7.36</u>	Turbidity	<u>10.7</u>	NTU
Bag Filter Effluent	pH	<u>7.32</u>	Turbidity	<u>5.05</u>	NTU
Carbon Filter Influent	pH	<u>6.88</u>	Turbidity	<u>2.74</u>	NTU
Carbon Filter Effluent	pH	<u>6.55</u>	Turbidity	<u>2.22</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

Additional Comments, Recommendations and System Upsets:

Filters replaced last week.

David DuBois

Technician

Project Lead Tech

Title

7/15/19

Date

Submit